



A quarterly electronic publication from the

NASA Scientific and Technical Information (STI) Program

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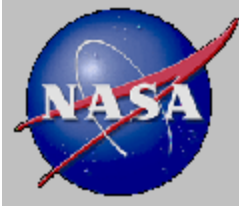
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October 1999

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...From the STI Lead Center at Langley



STI Bulletin Listserv Membership Increases

The STI Bulletin's listserv membership has increased by 683 percent since April 1998. If you would like to be notified when the new issue is available, select the 'Subscribe to Bulletin' link in the sidebar.

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Focus on Acquisition of STI

The NASA STI Program has focused on increasing the size and scope of the STI Database. More than 232,763 new records were added to the STI Database in Fiscal Year 1998. To date, more than 88,700 new records have been added in Fiscal Year 1999, bringing the 2-year total to more than 321,463 new records. The STI Database has seen a 14 percent growth in overall size since the end of Fiscal Year 1997. This growth does not include the NASA Image eXchange (NIX) meta-search engine, which accesses more than 500,000 NASA digital images, or the links to IEEE/IEE, which have been made accessible to NASA within the last year. Primary sources for additions to the database in Fiscal Year 1998 and 1999 were AIAA and Engineering Index. Additional focus is being put on obtaining more NASA-produced and nontraditional STI. Efforts in these areas include (1) working with NASA Headquarters procurement to obtain current listings of all new contracts with the STI clause, (2) rewording the NASA FAR that relates to STI, and (3) working with external vendors to identify NASA-produced STI that might not have been tracked by the NASA centers.

STI Program Co-Sponsoring Conference

The NASA STI Program, through its NASA STI Program Office, is co-sponsoring the Fourth International Conference on Grey Literature, "New Frontiers in Grey Literature," to be held at the Kellogg Conference Center, Washington, DC, October 4-5, 1999. For information about the sessions, you can view the GL'99 Pre-Program at <http://www.konbib.nl/infolev/greyinet/GL'99.htm>.

Subscriptions Available for *Aerospace Medicine and Biology* and *Aerospace Engineering*

Due to popular demand, *Aerospace Medicine and Biology* and *Aerospace Engineering* are once again available. They can be delivered via e-mail in PDF format or as hardcopy. These popular bibliographies can be ordered on an annual subscription basis only. Individual back issues are available and sold separately. Subscriptions for electronic versions costs domestic users \$600 and international users \$1,200. Discounts are available to qualified users registered with the Center for AeroSpace Information (CASI). Because of the increased expense of producing hardcopy versions, they are priced higher. To order either AeroMED or AeroENG, contact the Help Desk at 301-621-0390.

CASI Staff Updates NASA Publication

Work is being conducted to update *The NASA Scientific and Technical Information System: Its Scope and Coverage*. The document is a working guide for anyone interested in knowing those subjects of interest to NASA, as well as what might be found in, or submitted to, NASA's STI database.

Improvements to the STI Website

Improvements have recently been made to the STI website, with the addition of information on published conference proceedings, press releases related to available STI, and new videos. Content continues to be updated biweekly, in order to reflect new STI reports available from CASI. Users can sign up for E-SCAN to see some of those new additions.



...STI Program Plan

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In part, the NASA STI Program states, "The NASA Scientific and Technical Information Program is an integral part of NASA's future. The program supports the Agency's missions to communicate scientific knowledge and understanding to help transfer NASA's research and development to the aerospace and academic communities. By ensuring a fast, two-way process of internal and external information exchange, the STI Program helps NASA avoid duplication of research, time, and cost and to make its wealth of information available to benefit its customers. Each Center is responsible for acquiring, tracking, and producing, or having produced, NASA STI related to their Center mission; and for ensuring that Center STI reaches the STI Database [at the NASA Center for AeroSpace Information]."

To that end, each NASA Center executes the STI Program mission and objectives by way of a team of individuals that applies professional publishing standards to all scientific and technical information passing through its doors. Whether the information will result in a document to be distributed through the traditional print and mail process or an electronic document available on the Internet--or both--the team is responsible for making it happen, going through the process step-by-step with each customer. For information about the STI Program at any NASA Center, visit http://stipo.larc.nasa.gov/sti_link4text.html.



...From Glenn



Modifications to Glenn Technical Library Services

In order to meet FY 2000 budget guidelines, the Glenn Technical Library is:

- Discontinuing 301 selected journals and accompanying electronic access (see Library list at <http://ttd.grc.nasa.gov/TechLib/Dropadds.html>)
- Discontinuing copy services as of September 1999 (will continue to provide copy services for NASA reports and other Government documents)
- Discontinuing procurement of office copies of industry standards and specifications
- Reducing the number of patron computer workstations (to eliminate ODIN charges)
- Reducing the number of books purchased

Journal subscriptions represent one of the more significant Library costs. With this in mind, the Library staff conducted a thorough review of all journal renewals in an effort to retain titles critical to our customers' needs and eliminate those journals that could not be justified.

Criteria for non-renewal included information gathered from the existing customer database, staff experience, customer feedback, procurement of office subscriptions, journals available through on-line databases, titles currently available through special programs (e.g., IEEE/IEE Electronic Library), titles obtained less expensively through research association memberships, and titles available free to qualified users based on publisher requirements. In addition, journals that are available through various websites were not renewed.

The Library will continue to provide and maintain:

- Reference searching and reference materials
- Web page access to indexes, abstracts, research databases, and annotated sources
- User training
- In-house CD's and networked literature sources
- Core journals in paper and/or electronic format Interlibrary loans up to the limits of guidelines issued by the National Commission on Technological Uses of Copyrighted Works
- Document delivery, with the Library picking up the charges until a vendor service is in place. Requesters will then use their bankcards to pay for needed articles.
- Project documentation service: industry requirements, specifications, standards, and guidelines used in the development of microgravity experiments, Expendable Launch Vehicle (ELV) payloads, and aeronautics programs are obtained and continuously updated for registered users.
- Specifications and standards on a CD system, including SAE Aerospace Standards, Information Reports, Recommended Practices, and Materials Specifications; the Annual Book of ASTM Standards; the ASME Boiler and Pressure Vessel Code; and military and other Government specifications (current and historical). Abstracts of industry or worldwide standards, such as ISO Aerospace/Fuels/Energy/Transportation Section, DIN Fasteners/Aerospace Section, IPC Standards, ISA standards, EIA standards, complete ANSI standards, complete ASME standards, and the NFPA National Fire Codes will be available until August 2000.

For further information contact Susan Oberc at (216) 433-5766 or Susan.Oberc@grc.nasa.gov.

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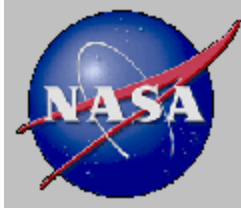
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...From Goddard

News From the Goddard Library

The Goddard Library is listed in the "Hotspots" section of *The New Scientist* website <http://www.newscientist.com/keysites/hotspots/hotspots.html>. "Hotspots" is *The New Scientist* website's pick of science-related sites. You will find The Goddard Library listed under the topics of Space Sciences and Reference, as well as alphabetically.

The New Scientist website www.newscientist.com is the online voice of *New Scientist Magazine*, the world's leading science and technology weekly.

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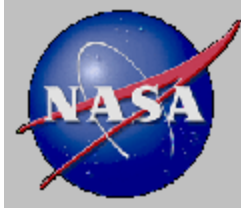
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News From Goddard's Technical Information Services Branch

Goddard Space Flight Center's Technical Information Services Branch, in conjunction with the Library Services Information Branch, held its third outreach activity, or expo. The "Carnival of Services" was designed to acquaint Center personnel responsible for producing STI with the many resources--including audiovisual support, auditorium scheduling, conference support, cost-per-copy, copy management, duplicating, photography, printing, publications and graphics--available to them through TISB. The expo lasted three hours and took place just outside Goddard's library in Building 21. The event attracted numerous people unfamiliar with TISB and eager to explore new opportunities to showcase their products. For more information on TISB products, services, and personnel, please visit the TISB website at <http://tisb.gsfc.nasa.gov>.



...From Johnson



The Johnson Space Center has published NASA Special Publication 534, "Extended Duration Orbiter Medical Project; Final Report 1989-1995." This full-color publication, edited by Charles Sawin, Gerald Taylor, and Wanda Smith, includes a wealth of information for researchers, in both aerospace and industry. The Extended Duration Orbiter Medical Project (EDOMP) has formed the basis for medical studies of crew members living for three to five months aboard the Russian space station Mir, and is being used in preparation for the construction and habitation of the International Space Station. The flight studies which comprise the EDOMP yielded substantial amounts of data in eight areas of space biomedical research: cardiovascular deconditioning, regulatory physiology, functional performance, environmental health, neurovestibular dysfunction, human factors, landing site medical facilities, and spaceflight hardware and ground support items.

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...From History Office



Symposium on Developing U.S. Launch Capability to be Held

The NASA History Office is planning a one-day historical symposium titled, "Developing U.S. Launch Capability: The Role of Civil-Military Cooperation," to be held in Washington, DC, on November 5, 1999.

For further information contact the NASA History Office at (voice) 202-358-0384, (fax) 202-358-2866, (address) Code ZH, NASA Headquarters, Washington, DC 20546, or (e-mail) histinfo@hq.nasa.gov.

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Apollo Historical Publications From the NASA History Office

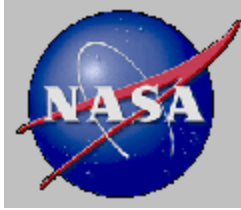
In commemoration of the Apollo anniversary, the NASA History Office published three historical products. First, *Managing the Moon Program: Lessons Learned From Project Apollo* (Monograph in Aerospace History #14), was released in June 1999. This work contains the edited transcript of an oral history workshop moderated by John M. Logsdon with six key managers of the Apollo effort. Second, the CD-ROM *Remembering Apollo 11: The 30th Anniversary Data Archive* has a variety of detailed technical reports and data such as the Mission Operation Reports, news references, and press kits from all the Apollo missions in PDF format. Finally, the NASA History Office produced a commemorative poster about Apollo, a mosaic of the famous photograph of Buzz Aldrin on the Moon, created from images taken by the astronauts using the Hasselblad cameras aboard the spacecraft.

For further information, contact the NASA History Office at (202) 358-0384 or histinfo@hq.nasa.gov.

Apollo 11 Thirtieth Anniversary Website

To commemorate the 30th anniversary of Apollo 11, the History Office created a new website at www.hq.nasa.gov/office/pao/History/ap11ann/introduction.htm.

The site includes a variety of newly available information such as interviews with the three crew members and interesting historical documents. It also includes links to many other useful pages on Apollo, both within and outside NASA. We recommend this site to journalists, students, scholars, and anyone interested in Apollo 11.



The NASA Commercial Technology Program... An Overview



The NASA Commercial Technology Program encompasses a national network of specialized centers and organizations that assist U.S. businesses and industry in accessing, utilizing, and commercializing NASA-funded research and technology. The organizations work closely with each other to provide a full range of technology transfer and commercialization services and assistance. The NASA Commercial Technology Network (NCTN) consists of the Commercial Technology Organizations at each of the NASA field centers, the Jet Propulsion Laboratory, the National Technology Transfer Center (NTTC), the six Regional Technology Transfer Centers (RTTCs), NASA Tech Briefs, UNISPHERE, and other specialized organizations and services. All are dedicated to fostering dual-use technology partnerships and the transfer and commercialization of NASA-sponsored research and technology.

The NCTN provides access to a wide variety of information resources that can be searched and consulted for research and technology, patents, technical expertise, and R&D facilities, as well as for technology partnering, licensing, and commercialization opportunities. In addition to serving as an integrated information resource, the NCTN is developing into an electronic marketplace for NASA-sponsored technology, facilitating communications, transactions, and partnerships between NASA and the U.S. private sector.

Visit the NCTN website at <http://www.nctn.hq.nasa.gov> for more information on the NASA Commercial Technology Program and the members of its network.

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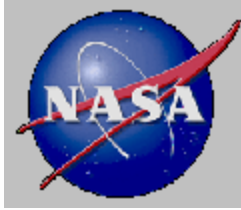
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Spinoff



NASA's premier publication, *Spinoff*, features over 40 companies annually that have successfully utilized NASA technology in commercial products and processes. The main purpose of the publication is to generate greater awareness of the practical benefits resulting from the nation's investment in aerospace research and development.

Each year NASA distributes tens of thousands of *Spinoffs* through trade shows, conferences, and special requests. The *Spinoff* website, located at <http://www.sti.nasa.gov/tto/spinoff.html>, includes a searchable database with an entry for every article, as well as manufacturer information for articles published since 1986. Online versions of Spinoff 1996, 1997, and 1998 can also be accessed through this site.

The *Spinoff* publication focuses on NASA's contributions to areas in the private sector, including health and medicine, transportation, public safety, home and recreation, environment and resources, computer technology, and industrial productivity.

The *Spinoff* team welcomes new information regarding companies with successfully transferred NASA technology into the development of a commercial product. If you know of any companies that have done so, please contact the *Spinoff* editors, Ms. Zoë Rush, at zrush@sti.nasa.gov (301) 621-0244, or Mr. David Ferrera, at dferrera@sti.nasa.gov, (301) 621-0242.

To receive a print copy of *Spinoff*, please contact the National Technology Transfer Center (NTTC) at (800) 678-6882 or visit the NTTC website at <http://www.nttc.edu>.

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